

Main Transit Centre, IOM, Kasulu

Improvements to Kitchen, Store & Construction of Waiting Shed

Bill of Quantities

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
A	Renovation Works in Kitchen				
1	Dismantling and demolition of existing side temporary roof, wall, wall tiles, door & iron grills, charcoal cooking platform, floor to be tile, etc and clean the area, stack salvage material for reuse and remove the debris as directed by the Employer.	Item	Sum		
2	Excavation of foundation for wall foundation in any material other than rock requiring blasting depth not exceeding 1.5m. Rate shall include for compacting the bottom of excavation, part return fill to excavation and rammed, surplus disposed off site as directed.	m ³	2.50		
3	230mm thick concrete block with 1:4 cement sand mix mortar. Rate shall include for continuous curing for 7 days	m ²	8.00		
4	Reinforce cement concrete, Grade 25(20mm) - 1:1.5:3 in grade beam on foundation block work & stiffener beam over the blockwork in wall	m ³	0.90		
5	Reinforce cement concrete, Grade 25(20mm) - 1:1.5:3 in 75mm thick work top slab.	m ²	2.30		
6	Reinforce cement concrete, Grade 25(20mm) - 1:1.5:3 in 100mm thick floor in the new floor tiling area. Rate shall include for preparation of the ground and lay 1 layer of Ty 500 gauge polythene.	m ²	17.00		
7	Formwork for concrete in grade beam, stiffener, wall top slab, floor concrete etc.	m ²	11.00		
8	Reinforcement for concrete work(Tor steel reinforcement (to BS 4449 and characteristic strength fy = 460N/mm2 & Mild steel reinforcement (to BS 4449 and characteristic strength fy = 250N/mm2). Rates shall include for cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers, binding wire spacers, stools and wastages.	kg	200.00		
9	150mm thick cement sand solid block masonry cast in 1:6 cement sand mix and built with 1:5 cement sand mortar.	m ²	17.00		
	Roof Work				
	Supply, Fabricate and erect the GI square tube roof frame as per the structural details given in the detail drawings. Rate shall include for apply 2 coats of anticorrosive paint and two coats of enema paint on all steel work after cleaning of the surface. All necessary steel plates, angle irons, bolts and nut paid separately.	Note			
10	100x50mm, 3mm thick GI square tube rafters fix to wall and existing steel pipe column.	m	7.00		
	40x40mm, 3mm thick GI square tube Purlin fix to rafters with cleats.	m	24.00		
11	Supply, and laying of 0.47 ZN/AL colour bond roofing sheets with necessary screws as per manufacturers recommendation.	m ²	19.00		

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
12	supply and fixing of 25x225mm timber fascia board (Valance board & barge board). Rate shall include for apply one coat of wood primer and 2 coats of enamel paint after preparation of the surface.	m	10.50		
13	Supply, and laying of 0.47 ZN/AL colour bond Gutters (girth470mm)	m	8.30		
14	Supply, and laying of 0.47 ZN/AL colour bond down pipes, 100x100mm	m	3.00		
DOORS AND WINDOWS					
DOORS					
15	Supply, fabricate and fix Iron Grill, type G2 swing door, Overall Size 2100mm x2100mm with 2mm thick 40x40 GI square tube frame and 2mm thick20x20mm GI square tube infilled at 100mm cts as per the drawing. Rate shall include for painting with one coat of primer and 2 coats of primer and two coat of Zink Phosphate.	No.	1.00		
16	Fabricate and fix 1mm dia. 20x20mm GI weld mesh with 20x20mm square tube frame to the gap in between wall top and roof.	m	9.00		
FLOOR, WALL AND CEILING FINISHES					
Wall Finish					
	Rates for plastering shall includes for forming doors and windows reveals.	Note			
	Rates for plastering between different surfaces shall include for spandex metal lathing to avoid any cracks between different surfaces.	Note			
	Rate shall include for the "V" grove to separate tile and plaster.	Note			
Internal Plaster					
17	16 mm thick plaster 1:4 cement and sand mix smooth finished with minimum 1mm thick acrylic wall putty to make plane smooth surface.	m ²	7.00		
18	Tiles fixed to 1.2m height of the walls with polymer based tile adhesive and grooves to be tilled with approved tile grout matching colour, at the vertical outward corner joints tile edges to be cut into 45 degree to finish 90degree corner complete all in accordance with the Employer's Representative instruction and drawings	m ²	36.00		
External Plaster					
Below DPC level					
19	20mm thick plinth plaster in 1:3 cement and sand mix finish smooth with colour cement grout on perimeter wall of the pavement.	m ²	4.00		
20	16 mm thick plaster in 1:4 cement and sand mix finished semi rough to the walls.	m ²	11.00		
Floor Finish					
21	Supply & lay Matt Homogeneous porcelain Floor Tiles 600mm x 600mm in size, Grade "A" and approved colour, laid on 12mm thk 1:2 cement sand bedding using polymer based tile adhesive approved by the Employer's Representative	m ²	20.00		
Ceiling Finish					

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
22	Supply and Fixing 6mm thick cement Fiber board external and Internal ceiling fixed with 50x50mm sawn soft wood, treated with pressure impregnated preservative frame work (600x1200mm panels) hang to roof structure steadily @ 1200mm interval both ways. Rate shall include to complete with 90x13mm gypsum cornice forming at wall with approved adhesive and nails, etc.	m ²	42.00		
	Decorator Internal painting (master pallet) shall be acrylic based emulsion in an approved manufacture (Gold Star, Sandolin or equivalent) paint and colour to suit with the environment, climate and location of this project.	Note			
	External painting (master pallet) shall be exterior quality, weather shield, texture base in an approved manufacture (Gold Star, Sandolin or equivalent) paint and colour to suit with the environment, climate and location of this project.	Note			
	Rate for painting shall include for painting to door and window reveals.	Note			
	Colour of the paint shall be approved by Employer's representative	Note			
	Internal Painting Rate shall include for applying wall putty to smooth the internal newly plastered wall surface	Note			
23	Prepare plaster surfaces of wall, columns , beams and projections and apply one coat of filler and two coats of emulsion paint as per manufacture's instruction.	m ²	70.00		
24	Prepare the surfaces of ceiling and apply one coat of filler and two coats of emulsion paint as per manufacture's instruction.	m ²	42.00		
	External Painting				
25	Prepare plasterer surfaces of all faces of walls columns, beams and projections and apply one coat of exterior primer/sealer, two coats of weather shield paint as per manufacturer instruction.	m ²	40.00		
	Electrical work all wiring shall be done from the existing distribution board with necessary improvements.				
26	Lighting points comprising 3 x 1.5sq mm PVC single core cable, switching point(s) in conduits concealed in wall/slab, complete , and all accessories necessary as specified.	No	6.00		
27	20 Watts LED bulkhead Ecomax surface mounted IP 65 as Oppla (drw Type J)	No	6.00		
	Power Outlets and Accessories				
29	Power points for switch sockets comprising of 3 x 2.5sq mm PVC single core copper cable complete with conduiting and all necessary accessories.	NO	2.00		
	Gas Distribution & Installation Gas Stove				
30	Item allow for 25mm(1") diameter GI pipe gas distribution line from inter connected series of cylinders (4Nos) to feed 6 stoves. Rate shall include for control valves, high pressure regulators, pressure gauges, fixing accessories etc.	m	25.00		

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
31	Supply and install 20.8KW, 4 key heavy duty, cast iron, gas boiling ring burner catering stove. (Material: Cast Iron, Fuel type: LPG and Propane, Weight: 15kg, 200kg weight limit, Output: 20.8KW & Dimension: 49x49x36cm approximately.)	Nos.	3.00		
32	Supply and install 12.2 KW, 3Key heavy duty, cast iron, boiling Ring Burner Catering Stove. (Material: Cast Iron, Fuel type: LPG and Propane, Weight: 15kg, 200kg weight limit, Output: 20.8KW & Dimension: 39x39x30cm approximately.)	Nos.	3.00		
33	Supplying & fixing, double bowl stainless steel kitchen sink, size 1000x500mm and kitchen sawn neck tap complete with inlet and outlet connections, angle valves, flexible hose etc.	Nos.	1.00		
Total Carried to Grand summary					
B	Renovation Works in Proposed Store				
1	150mm thick cement sand solid block masonry cast in 1:6 cement sand mix and built with 1:5 cement sand mortar. Rate shall include for remove the top plaster of existing wall.	m ²	22.00		
2	Reinforce cement concrete, Grade 25(20mm) - 1:1.5:3 in stiffener beam over the blockwork in wall. Rate shall include for necessary reinforcement & formwork.	m	13.00		
	DOORS				
	45mm thick hard wood, Mninga or equivalent timber single sash Panelled doors with 145x45mm hard wood timber frame, 145x45mm transom for 5mm thick fixed glazed panel on top as per the design. Rate shall include for 15mm thick architraves and finished with one coat of wood primer and 2 coats of approved colour matt enamel paint.				
3	Door Type D1, Single leaf door, overall size 900 x 2450mm.	Nos.	2.00		
4	Supply and fix mortice type double lever door lock -UNION or equivalent	Nos.	2.00		
	Wall Finish				
	Rates for plastering shall includes for forming doors and windows reveals.	Note			
	Rates for plastering between different surfaces shall include for spandex metal lathing to avoid any cracks between different surfaces.	Note			

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
	Rate shall include for the "V" groove to separate tile and plaster.	Note			
5	Internal Plaster 16 mm thick plaster 1:4 cement and sand mix smooth finished with minimum 1mm thick acrylic wall putty to make plane smooth surface.	m ²	22.00		
6	External Plaster 16 mm thick plaster in 1:4 cement and sand mix finished semi rough to the walls.	m ²	22.00		
	Decorator Internal painting (master pallet) shall be acrylic based emulsion in an approved manufacture (Gold Star, Sandolin or equivalent) paint and colour to suit with the environment, climate and location of this project.	Note			
	External painting (master pallet) shall be exterior quality, weather shield, texture base in an approved manufacture (Gold Star, Sandolin or equivalent) paint and colour to suit with the environment, climate and location of this project.	Note			
	Rate for painting shall include for painting to door and window reveals.	Note			
	Colour of the paint shall be approved by Employer's representative	Note			
	Internal Painting Rate shall include for applying wall putty to smooth the internal newly plastered wall surface	Note			
7	Prepare plaster surfaces of wall and projections and apply one coat of filler and two coats of emulsion paint as per manufacture's instruction.	m ²	28.00		
8	Prepare the surfaces of ceiling and apply one coat of filler and two coats of emulsion paint as per manufacture's instruction.	m ²	23.00		
9	External Painting Prepare plasterer surfaces of all faces of walls columns, beams and projections and apply one coat of exterior primer/sealer, two coats of weather shield paint as per manufacturer instruction.	m ²	28.00		
10	Electrical work all wiring shall be done from the existing distribution board with necessary improvements. Lighting points comprising 3 x 1.5sq mm PVC single core cable, switching point(s) in conduits concealed in wall/slab, complete , and all accessories necessary as specified.	No	2.00		
11	20 Watts LED bulkhead Ecomax surface mounted IP 65 as Oppla (drw Type J)	No	2.00		
12	Power Outlets and Accessories Power points for switch sockets comprising of 3 x 2.5sq mm PVC single core copper cable complete with conduiting and all necessary accessories.	NO	1.00		
	Miscellaneous work				

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
13	Allow for repairing the roof to prevent the water leaks and repair the valance board.	Item	Sum		
Total Carried to Grand summary					
C	Parapet Wall				
1	150mm thick cement sand solid block masonry cast in 1:6 cement sand mix and built with 1:5 cement sand mortar. Rate shall include for remove the top plaster of wall.	m ²	5.50		
2	Reinforce cement concrete, Grade 25(20mm) - 1:1.5:3 in 150x150mm vertical and horizontal stiffener in block wall. Rate shall include for necessary reinforcement & formwork.	m	10.00		
3	Supply & lay Matt Homogeneous porcelain non skid Floor Tiles 600mm x 600mm in size, Grade "A" and approved colour, laid on 12mm thk 1:2 cement sand bedding using polymer based tile adhesive approved by the Employer's Representative	m ²	6.50		
	Wall Finish				
	Rates for plastering shall includes for forming doors and windows reveals.	Note			
	Rates for plastering between different surfaces shall include for spandex metal lathing to avoid any cracks between different surfaces.	Note			
	Rate shall include for the "V" groove to separate tile and plaster.	Note			
	External Plaster				
4	16 mm thick plaster in 1:4 cement and sand mix finished semi rough to the walls.	m ²	12.00		
	External Painting				
5	Prepare plaster surfaces of all faces of walls columns, beams and projections and apply one coat of exterior primer/sealer, two coats of weather shield paint as per manufacturer instruction.	m ²	12.00		

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ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (TZS)	AMOUNT (TZS)
6	Supply, fabricate and fix Iron Grill, type G1 swing door, Overall Size 1650mm x 1600mm with 2mm thick 50mm Dia. GI pipe posts and sashes with 40x40mm, 2mm thick GI square tube frame and 2mm thick 20x20mm GI square tube infilled at 100mm cts as per the drawing. Rate shall include for necessary hinges, concrete foundation for gate posts and painting with one coat of primer and 2 coats of primer and two coat of Zink Phosphate.	No.	1.00		
7	Fabricate and fix 1mm dia. 20x20mm GI weld mesh with 20x20mm square tube frame to the gap in between wall top and roof.	m	12.00		
Total Carried to Grand summary					
D	Waiting Shed				
1	75mm diameter 3mm thick GI CHS steel column anchored into Gr. 25, 400x400x750mm, mass concrete foundation. Rate shall include for apply one coat of anticorrosive paint and 2 coats of enamel paint.	m	18.00		
2	50mm diameter, 3mm thick curved GI pipe welded to the pipe columns as truss to fix purlins. Rate shall include for apply one coat of anticorrosive paint and 2 coats of enamel paint.	m	9.30		
3	40x40mm, 3mm thick GI square tube Purlin fix to rafters with cleats.	m	28.00		
4	Supply, and laying of 0.47 ZN/AL colour bond roofing sheets with necessary screws as per manufacturers recommendation.	m2	22.00		
Total Carried to Grande summary					

Grand Summary		
	Description	Amount /TZS
A	Renovation Works in Kitchen	-
B	Renovation Works in Proposed Store	-
C	Parapet Wall	-
D	Waiting Shed	-
	Total	-